

# V300

*IP Phone*

## ***Quick Start Guide***

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Edition 1

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The ZyXEL logo is rendered in a bold, blue, sans-serif typeface. The 'Z' and 'y' are connected, and the 'X' is stylized with a wide base. The letters 'E' and 'L' are also connected.

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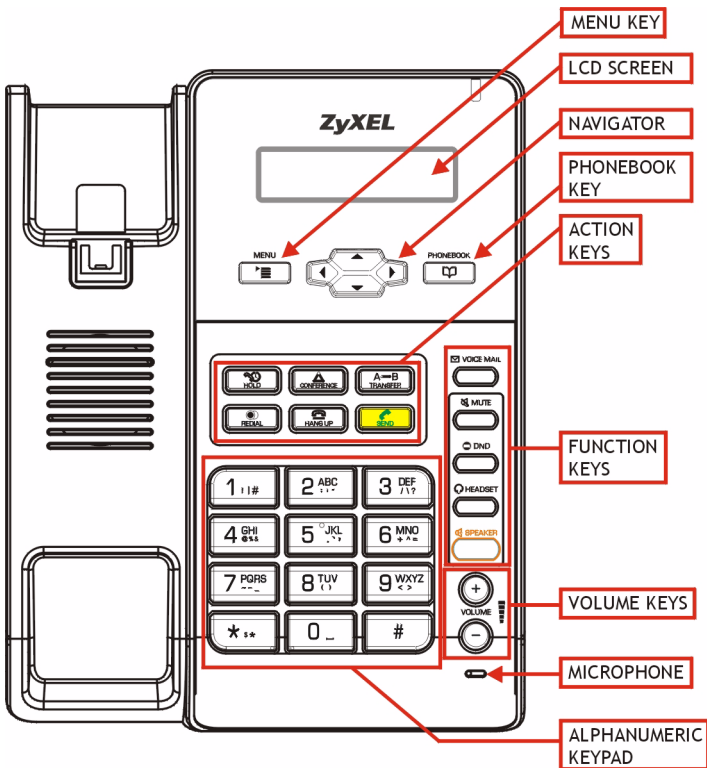
# Overview

This Quick Start Guide shows you how to set up and use your V300. It includes the following sections:











- **Hardware and Connections** - introduces the physical features of the V300 and shows how to connect it to your network.
- **Initial Configuration** - shows how to set up the V300 on your network and configure it to use your VoIP account.
- **Phone Operation** - covers how to use the V300's basic telephone functions, such as making a call.

You can also configure the V300 using a computer connected to the V300's **PC** port. See your User's Guide for details.

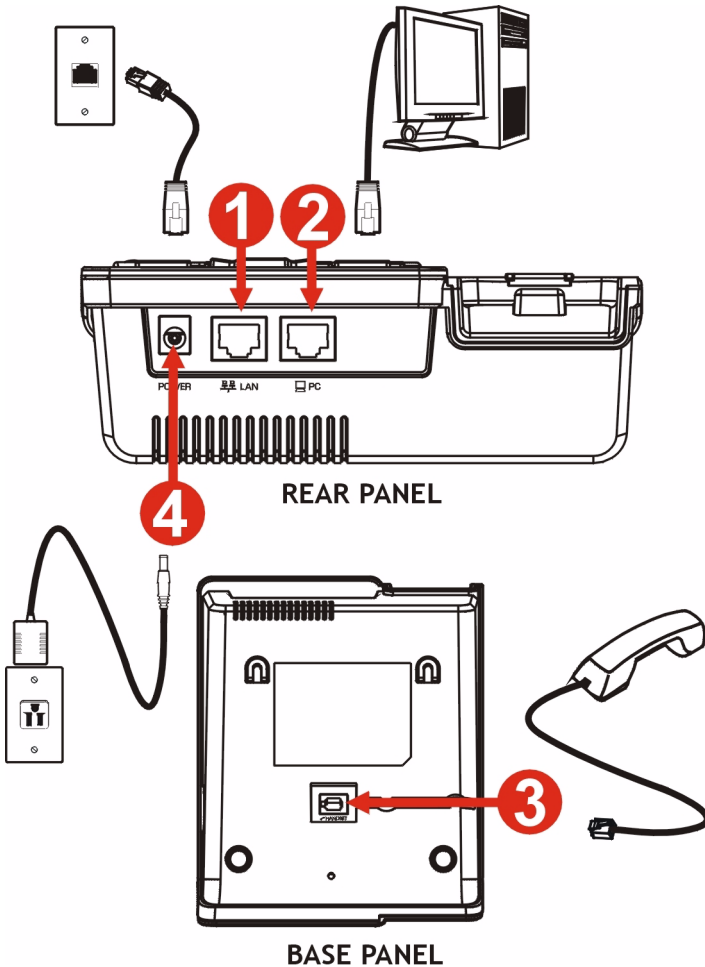
## 1 Hardware and Connections



The following table describes some of the hardware features used for basic operations. See the hardware chapter in your User's Guide for full descriptions of all features.

FEATURE	DESCRIPTION
<b>MENU</b> 	<p>Press this to select the phone line to use.</p> <p>When you are using the V300's menus, press this key to do the following:</p> <ul style="list-style-type: none"> <li>• Move forward to the selected menu.</li> <li>• Save a change you made.</li> </ul>
<b>Navigator</b> 	<p>Press these keys to move around the V300's screens. Press  to go up one line in a menu, and press  to go down one line. Press  to move one space to the right, and press  to move one space to the left.</p> <p>When the main screen displays (see section 2.1) press  to access the V300's menus.</p>
<b>PHONEBOOK</b> 	<p>Use this to display the list of contacts stored in the V300.</p> <p>When you are using the V300's menus, press this key to do the following:</p> <ul style="list-style-type: none"> <li>• Go back to the previous menu.</li> <li>• Delete a character.</li> </ul>
<b>Alphanumeric keypad</b>	<p>Use these to enter numbers, letters and symbols. Use the # key to switch between number (<b>123</b>) mode, uppercase mode (<b>ABC</b>), lowercase mode (<b>abc</b>) and symbol mode (<b>;"</b>).</p>
<b>Microphone</b>	<p>The microphone is active when the V300 is in speakerphone mode.</p>
<b>Volume keys</b>	<p>Use the + key to increase the volume, and use the - key to decrease it.</p> <ul style="list-style-type: none"> <li>• When you use the handset, these keys control the handset's speaking and listening volume.</li> <li>• When you use a headset, these keys control the speaking and listening volume on the headphone () and microphone () ports on the V300.</li> <li>• When you use the speakerphone, these keys control the internal speaker and microphone volume.</li> </ul>

## 1.1 Making Hardware Connections



- 1 LAN:** Use an Ethernet cable to connect the V300 to your network.
- 2 PC (optional):** Use an Ethernet cable to connect your computer to the **PC** port on the V300 to access your network through the V300, or to configure the V300 using the web configurator (see your User's Guide for information on using the web configurator).
- 3 HANDSET:** Connect the included handset cable to the port on the V300's base. Connect the other end to the handset. Hang up the receiver before you connect the power.
- 4 POWER:** Connect the included power adapter to the **POWER** socket on the V300. Plug the power adapter into an appropriate power source.

## 2 Initial Configuration

This section describes how to use the phone's LCD screen menus to:

- **Set up Your Network Connection**
- and
- **Set up Your Voice Account**

The phone does not need to be connected to a computer to do this. However, if you want to configure your V300 using a computer, see your User's Guide for information.



When entering information, use the **#** key to cycle between uppercase (**ABC**), lowercase (**abc**), symbol (**;;"**) and number (**123**) modes. The current mode is displayed on the LCD.

Press a key multiple times to access the different characters. For example, in uppercase mode press **9** four times to enter "**Z**".

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### 2.1 Set up Your Network Connection

When you have finished your hardware connections, look at the LCD screen. The main screen displays, showing time and date details, as well as your Voice over Internet (VoIP) account registration status.



16:00 2007-03-03  
1234



When you are using the V300's menus, press the **PHONEBOOK** key to return to the main screen.

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When a VoIP account is not successfully registered, **No Reg** displays. When an account is successfully registered, the account name displays (**1234** in this example).



If the LCD displays nothing, recheck your hardware connections. See section 1.1.

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Follow these steps to configure your network settings.

- 1 Press the navigator up or down to access the menu, and scroll down to **Adv Setting**. Press **Menu**.

Menu Setting: ↑↓  
5 Adv Setting



You can also use the alphanumeric keypad to make your selections in the LCD screen. For example, you can press the **6** key in the **Menu Setting** screen (above) to go to the **Adv Setting** screen.

- 2 Select **Network** (press 1).

Choose from the following options:

- If you were given a username and password for network access, go to section 2.1.1 on page 5.
- If you were given an IP address and subnet mask to use, go to section 2.1.2 on page 6.
- If you were not given an IP address to use, go to section 2.1.3 on page 7.

5 Adv Setting: ↓  
1 Network

### 2.1.1 Set Up PPPoE

- 1 If you were given a username and password, press 1 in the **Adv Setting > Network** menu.

1 Network: ↓  
1 PPPoE

- 2 Select **Active** (press 1).

1 PPPoE: ↓  
1 Active

- 3 Press **Menu** and continue to step 4.

1 Active:  
Disable

- 4 Press **Menu** to enable PPPoE.

1 Active: ↓  
Enable?

- 5 The **PPPoE** menu displays again. Scroll down to **Username** (press 2).

1 PPPoE: ↑↓  
2 Username

**6** The **PPPoE Username** menu displays.

2 Username:

Press **Menu** and enter your user name. Press **Menu** again when you are done.

ABC(#to change)  
—

**7** Press **3** to enter the **PPPoE Password** menu.

1 PPPoE:      ↑↓  
3 Password

Press **Menu**. The **PPPoE Password** menu displays.

3 Password:

**8** Press **Menu** and enter your password. Press **Menu** again when you are done.

123(#to change)  
—

You have finished setting up your network connection. Go to section 2.2.

### 2.1.2 Set Up a Static IP Address

**1** If you have an IP address to use, press **2** in the **Adv Setting > Network** menu.

1 Network:      ↑↓  
2 Static IP

**2** Select **Active** (press **1**).

2 Static IP:      ↓  
1 Active

**3** Press **Menu**.

1 Active:  
Disable

**4** Press **Menu** again to activate Static IP.

1 Active:      ↓  
Enable?

**5** The **Static IP** menu displays. Select **IP Address** (Press **2**).

2 Static IP:      ↑↓  
2 IP Address

- 6 Press **Menu** to configure the new IP address.  
Enter the new IP address and press **Menu** again.

2 Static IP:  
0.0.0.0\_

- 7 The **Static IP** menu displays again. Scroll down and set up the **Gateway** IP address, **Subnet Mask** and **1st** and **2nd DNS** servers (if you have information about only one DNS server, set up the **1st DNS** only).

2 Static IP:  
3 Gateway



Enter the information exactly as provided by your ISP.

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You have finished setting up your network connection. Now go to section 2.2.

### 2.1.3 Get an IP Address Automatically

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The V300 is set to get an IP address automatically by default.

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- 1 If you have neither a username and password nor an IP address to use, press **3** in the **Adv Setting > Network** menu. DHCP allows your V300 to get an IP address automatically.

1 Network  
3 DHCP



- 2 Press **1**.

3 DHCP  
1 Active

- 3 If the next screen displays **Disable**, press **Menu**.

If the next screen displays **Enable**, your V300 is already set to get an IP address automatically. You do not need to change anything - go to section 2.2.

1 Active  
Disable

- 4 Press **Menu** again in the screen that appears. The V300 now tries to get an IP address automatically.

1 Active  
Enable?



You have finished setting up your network connection. Go to section 2.2.

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## 2.2 Set up Your Voice Account

Follow these steps to configure your VoIP account.

- 1 Go to the main screen (see section 2.1).
- 1 Press the navigator down to enter the menu system. Then, press **6** to enter the **Adv Setting** menu. Press **2** to enter the **SIP Setting** menu.
- 2 Next, make sure the SIP account is active. When the SIP account is active, the V300 tries to register the account on the network. Select **Active**.
- 3 If the menu that displays shows **Enable**, then your SIP account is already active - press **PHONEBOOK** to return to the **SIP Setting** menu, and skip on to step 4.

5 Adv Setting: ↑↓  
2 SIP Setting

2 SIP Setting: ↓  
1 Active

1 Active:  
Enable

If the menu that displays shows **Disable**, the SIP account is not activated. Press **Menu**. In the menu that displays, use the navigator to select **Enable?** and press **Menu** again. The **SIP Setting** menu displays.

- 4 Enter the information exactly as given to you by your VoIP service provider.



If your VoIP service provider did not give you information to use for any of the fields in this menu, leave them at their default settings.

The following table describes the fields in this menu.

FIELD	DESCRIPTION
1 Active	Select this to turn this SIP account on or off. When the SIP account is not active, you cannot use it to make or receive calls.
2 SIP Number	This is your SIP account number. If you have a SIP account like <b>1234567@voip-provider.com</b> , the <b>SIP Number</b> is <b>1234567</b> .
3 SIP Local Port	This is the port on the V300 used for SIP calls. The default is 5060.
4 SIP Serv Addr	This is the IP address of the server your VoIP service provider uses for SIP calls.
5 SIP Serv Port	This is the port on the SIP server used for SIP calls. The default is 5060.
6 Register Serv	This is the IP address of the server your VoIP service provider uses to register the V300. If your VoIP service provider did not give you a specific SIP register server address, enter the <b>SIP Serv</b> address again.

FIELD	DESCRIPTION
7 Register Port	This is the port the SIP register server uses to register the V300. The default is 5060.
8 Serv Domain	If you have a SIP account like <b>1234567@voip-provider.com</b> , the SIP service domain is <b>voip-provider.com</b> .
9 SIP Auth ID	This is the user name for this SIP account.
10 Auth Password	This is the password for this SIP account.
11 1st Codec Sel	Your V300 and the SIP server must use the same voice codec (coder / decoder). Select the codec you want the V300 to try using first.
12 2nd Codec Sel	If the V300 and the SIP server cannot both use the voice compression you select in <b>1st Codec Sel</b> , the V300 then tries to use the codec you select here.
13 3rd Codec Sel	If the V300 and the SIP server cannot both use the voice compression you select in <b>1st Codec Sel</b> or <b>2nd Codec Sel</b> , the V300 then tries to use the codec you select here.
14 VM Num	This is the number you enter to access your voicemail messages for this SIP account.
15 DNS SRV	Turn this on ( <b>Enable</b> ) to have the V300 use the DNS servers you configured in section <a href="#">2.1.2</a> . Turn it off ( <b>Disable</b> ) if you do not want the V300 to use DNS. DNS SRV is off by default.
16 Send Call ID	Use this to turn outgoing caller ID on ( <b>Enable</b> ) or off ( <b>Disable</b> ).
17 NAT Setting	Use this to configure Network Address Translation.
18 CallFW Active	Use this to turn the call forwarding on ( <b>Enable</b> ) or off ( <b>Disable</b> ). Configure call forwarding settings in the <b>Call Pref. &gt; Call FW</b> menu
19 BackupSIP	Use this to set up the SIP server(s) the V300 uses if it cannot access the main SIP server.

**5** When you are done configuring your SIP account settings, press **PHONEBOOK** to return to the default LCD display. The lower line of the LCD displays your SIP number ("827610", in this example) if it has registered successfully.

08:56 2007-03-05  
827610

**6** See section [3](#) for how to test your V300's configuration by making a call.



If your SIP account does not register successfully (**No Reg** is still displayed in the main screen) or you cannot make a call, check your connections and re-enter your SIP settings. Restart the V300 (turn the power off, then back on). If this does not help, contact your network administrator or VoIP service provider.

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## 3 Phone Operation

This section describes how to use your V300's basic telephone functions.



For more information on the V300's telephone functions, see the hardware chapter in your User's Guide.

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### MAKING A CALL

1	Pick up the handset.
	The LCD screen displays <b>Line 1 Dial:</b> .
2	Check that you can hear a dial tone.
3	Enter the number you want to call.
4	Press the <b>SEND</b> key to start the call.

### RECEIVING A CALL

When the phone rings, do one of the following:

- Pick up the handset to receive the call using the handset.
- Press the **SPEAKER** key to receive the call using the internal speakerphone.
- Press the **HEADSET** key to receive the call using an external headset.

## ENDING A CALL

When you want to end a call, press the **HANG UP** key. Alternatively, do one of the following:

- If you are using the handset, replace it in the cradle.
- If you are using the internal speakerphone, press the **SPEAKER** key.
- If you are using an external headset, press the **HEADSET** key.

### Viewing a Product's Certification(s)

- 1** Go to [www.zyxel.com](http://www.zyxel.com).
- 2** Select your product from the drop-down list box on the ZyXEL home page to go to that product's page.
- 3** Select the certification you wish to view from this page.

